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a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE
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e. Illegible Text	
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g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
k. Other	
CLAIMS	
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### In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) An apparatus for measuring a step height of a sample, said apparatus comprising:
- a light source providing a light beam for an interferometer and a light beam for an ellipsometer;
  - interferometer optics for directing said light beam for an interferometer to reflect off a sample, wherein the interferometer optics comprise a beam splitter that splits said light beam for the interferometer into two light beams both of which are reflected off the sample;
  - ellipsometer optics for directing said light beam for an ellipsometer to reflect off said sample; and
  - a detector element for receiving the reflected light beam for an interferometer and the reflected light beam for an ellipsometer.
- 4/26/04 <sup>1</sup> 2. (Original) The apparatus of claim 1, wherein the light source is a laser that generates a monochromatic light beam.
3. (Original) The apparatus of claim 1, wherein the light source comprises at least one lamp.
4. (Currently Amended) The apparatus of claim 1, wherein said light source produces a single light beam, said apparatus further comprising a second beam splitter that splits said single light beam into said light beam for an interferometer and said light beam for an ellipsometer.
5. (Original) The apparatus of claim 1, wherein said light source produces a single light beam, said apparatus further comprising a moveable mirror that directs said single light beam to be said light beam for an interferometer and said light beam for an ellipsometer.
6. (Original) The apparatus of claim 1, wherein said light source produces a single light beam, said apparatus further comprising an optical coupler that divides said single light beam to be said light beam for an interferometer and said light beam for an ellipsometer.